

## ABSTRACT OF THE DISCLOSURE

A composite structure having a photocatalytic function and can be used for deodorization and wastewater treatment, comprising a foamed or porous substrate having apparent specific gravity of 0.9 to 0.01 and finely divided titanium oxide particles having a photocatalytic function which are adhered onto the surface of the foamed or porous substrate. Gas such as air having offensive odor or wastewater is allowed to be in contact with the composite structure having a photocatalytic function, whereby smelly or harmful substances contained in the gas or wastewater are decomposed.